11 Publication number:

0 537 761 A3

(12)

EUROPEAN PATENT APPLICATION

21) Application number: 92117711.9

2 Date of filing: 16.10.92

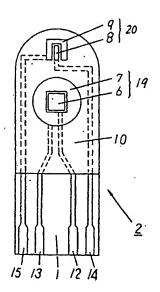
(5) Int. Cl.5: **C12M** 1/40, C12Q 1/26, G01N 27/327

- Priority: 18.10.91 JP 270839/91 21.10.91 JP 272293/91 09.04.92 JP 88507/92
- ② Date of publication of application: 21.04.93 Bulletin 93/16
- Designated Contracting States:
 DE FR GB
- Date of deferred publication of the search report: 02.02.94 Bulletin 94/05
- (7) Applicant: MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

1006, Ohaza Kadoma Kadoma-shi, Osaka 571(JP)

- Inventor: Yoshioka, Toshihiko 4-15-11-302, Shinmori, Asahi-ku Osaka-shi, Osaka(JP) Inventor: Nankai, Shiro 4-50-12, Nasuzukuri Hirakata-shi, Osaka(JP)
- Representative: Marx, Lothar, Dr.
 Patentanwälte Schwabe, Sandmair, Marx
 Stuntzstrasse 16
 D-81677 München (DE)
- (A) A biosensor and a method for measuring a concentration of a substrate in a sample.
- The present invention provides a biosensor comprising an electrical insulating substrate, a main electrode system formed on the substrate and having a working electrode and a counter electrode, a reaction layer provided in contact with or in the vicinity of the main electrode system and containing an oxidoreductase, and a sub electrode system as a reference provided with an interval from the main electrode system and having a working electrode and a counter electrode.

Fig. 1



EP 0 537 761 A3



EUROPEAN SEARCH REPORT

Application Number C

Category	Citation of document with indication of relevant passages	on, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CL5)
A	EP-A-0 127 958 (GENETIC INC.)	S INTERNATIONAL,		C12M1/40 C12Q1/26 G01N27/327
•	ÉP-A-O 359 831 (MATSUSH INDUSTRIAL CO.)	ITA ELECTRIC		doine// se/
D,P, A	EP-A-O 502 504 (MATSUSH INDUSTRIAL CO; LTD.)	ITA ELECTRIC		
				TECHNICAL FIELDS SEARCHED (Int.Cl.5)
	÷			C12Q
	:			
	The present search report has been dr	awn up for all claims Date of completion of the search		Picaminer
	THE HAGUE	6 December 1993	r=	rtagena y Abella,P
X:pa Y:pa	CATEGORY OF CITED DOCUMENTS ricularly relevant if taken alone ricularly relevant if combined with another cument of the same category	T: theory or principl E: earlier patent doc after the filing da D: document cited is L: document cited is	e underlying th ument, but pul ite o the application	e invention slished on, or